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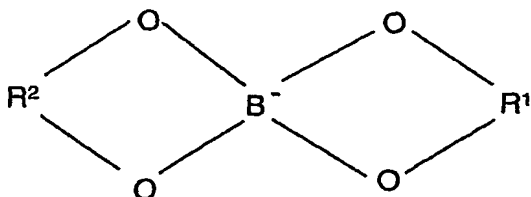
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(54) Title: CARBONYLATION PROCESS



(II)

(57) Abstract: According to the present invention a carbonylation process comprises reacting at least one unsaturated reactant in the form of a compound having an aliphatic moiety with at least one unsaturated carbon-carbon bond; carbon monoxide; and a nucleophilic co-reactant in the presence of a Group VIII metal catalyst to produce a product containing a single unit of the unsaturated reactant in its reacted form. The catalyst is prepared by the reaction of a source of Group VIII metal a ligating compound to

coordinate to the Group VIII metal, which ligating compound includes at least one atom selected from phosphorus, arsenic and antimony; and an anion or a source thereof of general formula (II) wherein R¹ and R² are the same or different and each comprises an organic group.

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